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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/616,918	07/11/2003	Sean Chang	A-8648	2415	
7590 06/14/2005			EXAMINER		
HOFFMAN, WASSON & GITLER, P.C.			TSO, LAURA K		
Suite 522 2361 Jefferson Davis Highway Arlington, VA 22202			ART UNIT	PAPER NUMBER	
			2875		
				- . -	

DATE MAILED: 06/14/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		_	
	Application No.	Applicant(s)	$\overline{}$
	10/616,918	CHANG ET AL.	a
Office Action Summary	Examiner	Art Unit	_
	laura tso	2875	
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	orrespondence address	
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a repl - If NO period for reply is specified above, the maximum statutory period of the period for reply within the set or extended period for reply will, by statute any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be timy within the statutory minimum of thirty (30) daywill apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on	_·		
2a) ☐ This action is FINAL . 2b) ☐ This	action is non-final.		
3) Since this application is in condition for allowa	nce except for formal matters, pro	secution as to the ments is	
closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.	
Disposition of Claims			
4) Claim(s) <u>1-12</u> is/are pending in the application			
4a) Of the above claim(s) is/are withdra	wn from consideration.		
5)⊠ Claim(s) <u>1-12</u> is/are allowed.			
6) Claim(s) is/are rejected.			
7) Claim(s) is/are objected to.	,		
8) Claim(s) are subject to restriction and/o	r election requirement.		
Application Papers			
9) The specification is objected to by the Examine	er.	•	
10)⊠ The drawing(s) filed on 11 July 2003 is/are: a)	⊠ accepted or b) objected to b	by the Examiner.	
Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the correct	• • • • • • • • • • • • • • • • • • • •		
11) ☐ The oath or declaration is objected to by the Ex	kaminer. Note the attached Office	Action or form PTO-152.	
Priority under 35 U.S.C. § 119			
12)⊠ Acknowledgment is made of a claim for foreign a)⊠ All b)□ Some * c)□ None of:	priority under 35 U.S.C. § 119(a))-(d) or (f).	
1. Certified copies of the priority document	s have been received.		
2. Certified copies of the priority document	• •		
3. Copies of the certified copies of the prior		ed in this National Stage	
application from the International Burea			
* See the attached detailed Office action for a list	of the certified copies not receive	ea.	
Attachment(s)			
1) Notice of References Cited (PTO-892)	4) Interview Summary		
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 	Paper No(s)/Mail Da 5) Notice of Informal F	ate 'atent Application (PTO-152)	
Paper No(s)/Mail Date	6) Other:		
Patent and Trademark Office			

DETAILED ACTION

Ex parte Quayle

This application is in condition for allowance except for the following formal matters:

Applicant should amend the claims to remove abbreviations (ex. DMD) from the claims, or include the definitions of the abbreviations in the claims (note the publication to Chang et al. (2004/0201897).

The disclosure should be carefully reviewed to ensure that any and all grammatical, idiomatic, and spelling or other minor errors are corrected.

Prosecution on the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Allowable Subject Matter

Claims 1-12 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

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Prior art fails to show or suggest a light guiding apparatus for an illumination system comprising a first ellipsoidal reflector and a light tunnel wherein light emitted form the light tunnel is reflected and focused on a DMD chip by the first ellipsoidal reflector, the light tunnel and the long axis of the first reflector form a first angle, the first angle and the ellipsoidal reflector modify the light emitted from the light tunnel to fit the dimension of the DMD chip.

Prior art fails to show or suggest a light guiding apparatus for an illumination system comprising a first ellipsoidal reflector, a light tunnel and a second ellipsoidal reflector wherein the second focus of the second reflector overlays the first focus of the first reflector, light emitted form the light tunnel is reflected by the first and second reflectors and focused on a DMD chip, the light tunnel and the long axis of the first reflector form a first angle, the long axis of the first reflector and the light path form a second angle at the second focus, the long axis of the first reflector and the long axis of the second reflector form a third angle, the first, second and third angle and the ellipsoidal reflectors modify the light emitted from the light tunnel to fit the dimension of the DMD chip.

Conclusion

Note the publication to Chang et al. (2004/0150793) and the patent to Kurematsu et al. (6,883,922).

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to laura tso whose telephone number is 571-272-2385.

The examiner can normally be reached on M, W 6:30-3:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, sandra o'shea can be reached on 571-272-2378. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

laura tso

Primary Examiner

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